MIT's Oldest and Largest Newspaper

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The Tech
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Thursday, April 19, 2018

WEATHER, p. 2

THU: 42°F | 37°F
Rain

FRI: 51°F | 32°F
Cloudy

SAT: 54°F | 37°F
Mostly Sunny

ETHAN SIT

Black Lives Matter activists discuss racial discrimination in Boston as part of a panel held at the MIT Day of Action that took place April 17 at the Stata Center.

Senior Haus murals exhibit to premiere

Murals to be displayed in student center art gallery April 21–May 7

By Patricia Gao
EDITOR

Starting this weekend, the Wiesner Student Art Gallery will present an exhibit titled *Murals of Senior Haus*. The exhibit will feature full-size prints and a virtual reality experience of murals that were painted in Senior House, MIT's oldest dorm. A reception will be held on the evening of May 3.

Paula Countouris G, former Senior House resident and main organizer of the exhibit, explained to *The Tech* that the documentation of the murals started last summer while the closure of Senior House was underway.

"When things started to go south, I realized that no one was thinking about the murals," Countouris said. "So I started the process of documenting all of them. About 30 or 50 people have had their hands in this project, including current students, alumni, and staff."

Countouris explained that documentation took some time, mostly because of the sheer number of Senior House murals. "Since 1996, over 451 murals have been painted in Senior House," she said. "There are ones in rooms, in suites, in stairwells and in bathrooms. They're really using the internal architecture of the

Murals, Page 14

Day of Action encourages service, engagement with local community

The second annual MIT Day of Action, which took place April 17, saw interaction between MIT and the larger community to work on common political, economic, environmental and social issues. Day of Action seeks to fulfill MIT mission "to bring knowledge to bear on the world's great challenges" and is also inspired by the March 4 movement at MIT in 1969 that brought together scientists to discuss how their research should be used for socially constructive purposes.

Free and open to the public, the event included lectures, town-hall type sessions, film screenings, workshops, and booths where student groups and community organizations conducted outreach. Topics discussed included malicious technology use ranging from nuclear weapons to AI, incarceration reform, science advocacy, and immigration, with the goal of promoting open dialogue "from the widest variety of intellectual, religious, class, cultural, and political perspectives."

— Sheila Baber

COURTESY OF PAULA COUNTOURIS

Murals of Senior Haus is going to be on display at the Wiesner Student Art Gallery in the student center starting this weekend.

IN SHORT

Summer housing applications are due next Monday, April 23.

SpringFest will be held April 28 from 7–11 p.m. at the Johnson Athletic Center.

Drop date is April 26.

***The Tech* is looking** for science and features writers and photographers. Write to join@tech.mit.edu to get started.

Send news and tips to *news@tech.mit.edu.*

FEATURE

Dreamers face uncertain futures despite temporary protection

MIT provides support and advocacy for DACA students

By Whitney Zhang
FEATURES EDITOR

Around 20 students currently studying at MIT are "Dreamers," protected by the Deferred Action for Childhood Arrivals (DACA) policy. DACA allows certain undocumented immigrants who were brought to the U.S. as children to receive a deferral from deportation and be eligible for a work permit.

Dreamers' lives were turned upside-down last November when President Donald Trump declared he would rescind DACA. This January and February, two federal judges prevented the rescission of DACA, temporarily securing Dreamers' ability to remain in America, but leaving their futures uncertain. Throughout this process, the MIT administration and community has supported Dreamers in many ways — from providing legal services to setting up phone banks.

Recently, *The Tech* corresponded over email with Ian Bouche '21 and interviewed Jose Gomez '17, Johan Villanueva '20, and Avital Vainberg '21, all Dreamers, to discuss the effect of DACA and MIT's response to its planned rescission on their lives.

A "weight on my shoulders"

At the age of two, Bouche came with his parents to the U.S. from Buenos Aires, Argentina to escape the Argentine economic crisis. Bouche and his family lived in Puerto Rico under a business visa for his father's company. Then, in 2007, his father traveled to Argentina and found upon return that his visa was no longer valid.

Bouche's family tried to renew their visa, but unlike previous years, his father's company was required to make at least one million dollars per year. Unable to meet that quota, Bouche's family continued as undocumented immigrants.

"The introduction of DACA gave my sister and [me] — both essentially raised in America — lots of breathing room while the visa situation got resolved" and lifted a "weight on my shoulders," Bouche said.

Bouche recalls his parents calling him when Trump declared DACA's rescission, and feeling that weight return to his shoulders. Bouche said that as a result, "There's more stress around my family as we try to prepare for the worst" and he feels less "apt as an applicant for jobs and internships."

But, the worst part he says, is the uncertainty: "I just want to know what's going to happen already."

In search of "a normal experience"

At five years old, Gomez immigrated with his parents from Nuevo León, a state in northern Mexico, to McAllen, Texas, where he lived until he was 18 years old.

Gomez explained that because of the proximity to the border, border patrol had a widespread presence in McAllen. Therefore, even with the high numbers of Hispanic and undocumented people, Gomez had to guard himself from everyone around him and always have "in the back of [his] head" a wariness of border patrol.

Gomez grew up poor, but said that he "made the most of it." By freshman year of high school, he knew he wanted to be an engineer, and by sophomore year, he was dreaming of attending MIT. However, as an undocumented student, Gomez had extra barriers to applying for college. Since McAllen is inside an interior checkpoint, a checkpoint within the U.S. where motorists are stopped and required to verify their residential status, Gomez could not travel far beyond his hometown to attend college. Gomez also had extra concerns about paying for school, as undocumented students cannot apply for FAFSA or many other scholarships.

Luckily, DACA was instituted in Gomez's junior summer, and opened for him the opportunity to enroll in MIT's Class of 2017 — the first class after MIT changed its policy to accept undocumented students.

Gomez says that DACA was critical to his having "a normal experience at MIT," where, like other students, he could UROP and intern. At one point, he says he even considered doing MISTI after he received Advanced Parole, which allows Dreamers to leave the U.S. without losing their DACA status.

The blocked rescission of DACA has continued to allow Gomez to work as an applications engineer at a local robotics startup.

A conflicted identity

Villanueva's father first came to the U.S. from Colombia. Then, when Villanueva was one year old, he and his mother flew to Chicago to join his father. They overstayed their tourist visa and have since been residing in the U.S., where Villanueva attended Chicago's public schools.

Villanueva received his DACA

DACA, Page 14

SENIORS CRUSH SOFTBALL

A look at the numbers. **SPORTS, p. 16**

BAG OF MARBLES FOR IDENTITY

Growing up in occupied France. **ARTS, p. 8**

THE ADDAMS WERE NEXT DOOR

A Next Act Family Production. **ARTS, p. 9**

STUDENT SPOTLIGHT

Eke Wokocha on dance and flexibility.

CAMPUS LIFE, p. 5

P/NR IN HINDSIGHT

A rare criticism of the freshman first semester. **OPINION, p. 4**

SECTIONS

World & Nation . . . 2
Opinion 4
Campus Life 5
Arts 8
Fun Pages 12
Sports 16

Dignitaries react to the death of Barbara Bush

In a statement, President Donald Trump said that "as a wife, mother, grandmother, military spouse and former first lady, Mrs. Bush was an advocate of the American family."

On both sides of the aisle, lawmakers joined him in emphasizing Bush's support for literacy programs. Through the Barbara Bush Foundation for Family Literacy and other outlets, it was one of her most treasured causes.

"Through her own work to promote literacy as a value in every American home, countless families now have the knowledge and skills they need to thrive in all aspects of their lives," President Jimmy Carter said in a statement.

Bush is survived by her husband, her brother, five children, 17 grandchildren and seven great-grandchildren, many of whom shared tributes of their own.

—Maggie Astor, The New York Times

Kansas trio convicted in plot to bomb Somali immigrants

WICHITA, Kan. — Federal jurors convicted three men Wednesday of plotting to blow up an apartment complex where Somali refugees live and pray in Garden City, Kansas. The domestic terrorism verdict came at a time when threats against religious and racial minorities are rising nationally, and the case drew interest from the highest levels of the Justice Department.

"The defendants in this case acted with clear premeditation in an attempt to kill people on the basis of their religion and national origin," Attorney General Jeff Sessions said in a statement.

The men, Curtis Allen, Gavin Wright and Patrick Stein, all of whom are white, appeared stoic as the verdicts were read at the federal courthouse in Wichita. Defense lawyers had tried to convince jurors that their clients were manipulated by the FBI.

"He was a member of a militia. He loved his guns. This was a lifestyle," Melody Brannon, a lawyer for Allen, told the jury.

The trial focused on a period before the 2016 presidential election when a paid FBI informant infiltrated a militia group that included the three men and secretly recorded hours of their conversations.

Politics were front and center throughout the trial, with defense lawyers portraying the FBI as a bullying-government force that used its informant to steer their clients from hateful speech to violent plotting.

—Mitch Smith, The New York Times

Pentagon says Syria strikes hit 'heart' of chemical weapons program

WASHINGTON — Defense Department officials said Saturday that U.S.-led strikes against Syria had taken out the "heart" of President Bashar Assad's chemical weapons program, but acknowledged that the Syrian government most likely retained some ability to again attack its own people with chemical agents.

Warplanes and ships from the United States, Britain and France launched more than 100 missiles at three chemical weapons storage and research facilities near Damascus and Homs, the officials told reporters, in an operation that President Donald Trump and Pentagon leaders hailed as a success.

"A perfectly executed strike last night," Trump wrote on Twitter. "Thank you to France and the United Kingdom for their wisdom and the power of their fine Military. Could not have had a better result. Mission Accomplished!"

—Helene Cooper and Ben Hubbard, The New York Times

South Korea in talks to formally end Korean War

Choe Sang-Hun and Jane Perlez

THE NEW YORK TIMES

SEOUL, South Korea — South Korea confirmed Wednesday that it had been in talks with both American and North Korean officials about negotiating a peace treaty to formally end the Korean War after more than 60 years, as the United States and its ally try to establish a basis for persuading the North to give up its nuclear weapons.

Chung Eui-yong, the national security adviser to President Moon Jae-in of South Korea, said he had discussed the matter with John Bolton, his newly appointed American counterpart, in Washington last week, as they prepared for the planned talks between each of their countries' presidents and Kim Jong Un, North Korea's leader. South Korean officials said they had also been in talks with the North about a possible treaty.

Kim told Chung and another South Korean official last month that the North was willing to give up nuclear arms if it received security guarantees. In the past, the North has said that a peace treaty and the normalization of ties with the United States would be among the security guarantees it would require in exchange for surrendering its nuclear program.

Referring to his meetings with Trump administration officials, Chung said on Wednesday, "We held in-depth discussions on various ways of how to end hostilities and eventually establish a peace regime on the Korean Peninsula, how to address the North Korean concerns, and how to ensure a bright future for the North if it makes the right choice."

"Mr. Bolton made it clear to me that he will do his best as an honest broker in successfully implementing President Trump's peace policy on the Korean Peninsula," Chung added.

President Donald Trump said Tuesday that a peace treaty was being discussed and that he approved of the idea. The president, who confirmed Wednesday that he had sent Mike Pompeo, the CIA director, to meet with Kim, has said he would meet with the North Korean leader in May or early June, after Kim's April 27 talks with South Korea's president, Moon, on the Koreas' border.

The Korean War was halted in 1953 with a truce and has never been formally brought to a close. China fought on the North's side and the United States on the South's, and both are signatories to the armistice, along with the North; South Korea, at the time, refused to sign it. Any peace treaty would therefore have to involve Washington and Beijing, South Korean officials acknowledged Wednesday.

China said Wednesday that it wanted to play a positive role in formally ending the war, in which an estimated 3 million Chinese soldiers fought. But it stopped short of endorsing the idea of a treaty, which is likely to involve extensive negotiations and would require the recognition of North Korea by the United States.

Erdogan calls early Turkish elections in bid to solidify power

Carlotta Gall

THE NEW YORK TIMES

ISTANBUL — President Recep Tayyip Erdogan of Turkey on Wednesday called elections for June 24, almost a year and a half earlier than scheduled, saying the situation in Syria and Iraq, as well as economic stability, demanded it.

Erdogan surprised many observers by calling the elections so soon, as well as while Turkey remains under a state of emergency. The state of emergency, in place since a failed coup in July 2016, gives the police added powers, restricts the right of assembly and is likely to constrain campaigning.

But Erdogan's abrupt move seemed intended to seize a ripe moment — he remains the country's most popular politician, with some 40 percent support — to consolidate his powers.

The elections, both presidential and parliamentary, will bring forward Turkey's transition to a presidential system under which the president will gain still more authority.

"Although its seems there are no serious issues arising as the president and the government are working in harmony, the diseases of the old system can confront us at every step," Erdogan said in a speech broadcast live on television. "For our country to make decisions about the future more strongly and apply them, passing to the new governmental system becomes urgent."

Minutes later, the Turkish Parliament approved a request from Prime Minister Binali Yildirim to extend the state of emergency — which has been in force since the failed coup — for another three months, the Turkish news agency Anadolu reported.

While the coup attempt was violent — nearly 250 people died, including Erdogan's election campaign manager and close friend — critics have since accused him of using the extended powers under emergency rule to crack down on political opponents and dissent.

Tens of thousands have been jailed, accused of links to Fethullah Gulen, the Islamist cleric accused of masterminding the coup, or to other designated terrorist organizations. And over 100,000 people have been suspended from public-sector jobs.

Defense Minister Nurettin Canikli said Wednesday that the government had identified 3,000 top-level officers belonging to the Gulen movement inside the military, and was preparing to purge them soon with a government decree, the Anadolu news agency reported.

WEATHER

Warm weather is coming — later

By Sarah Weidman

STAFF METEOROLOGIST

The phrase "April showers bring May flowers" has at least halfway come to fruition this year. The Northeast has experienced several large rainstorms this spring with another big storm happening today. April as a whole has been relatively cold for the region, and some of the more western states in the Northeast may even receive snow during this storm. The second half of the phrase is still uncertain, but the wet spring will hopefully bring lots of green and flowers to campus in the coming weeks.

Spring so far could not be described as warm, but that warmth may be just on the horizon. Once the current storm blows through, the sun is expected to come out and warm up the area. This may finally bring an end to cold weather for the year to welcome us into the end of the semester and summer. No promises, though.

Extended Forecast

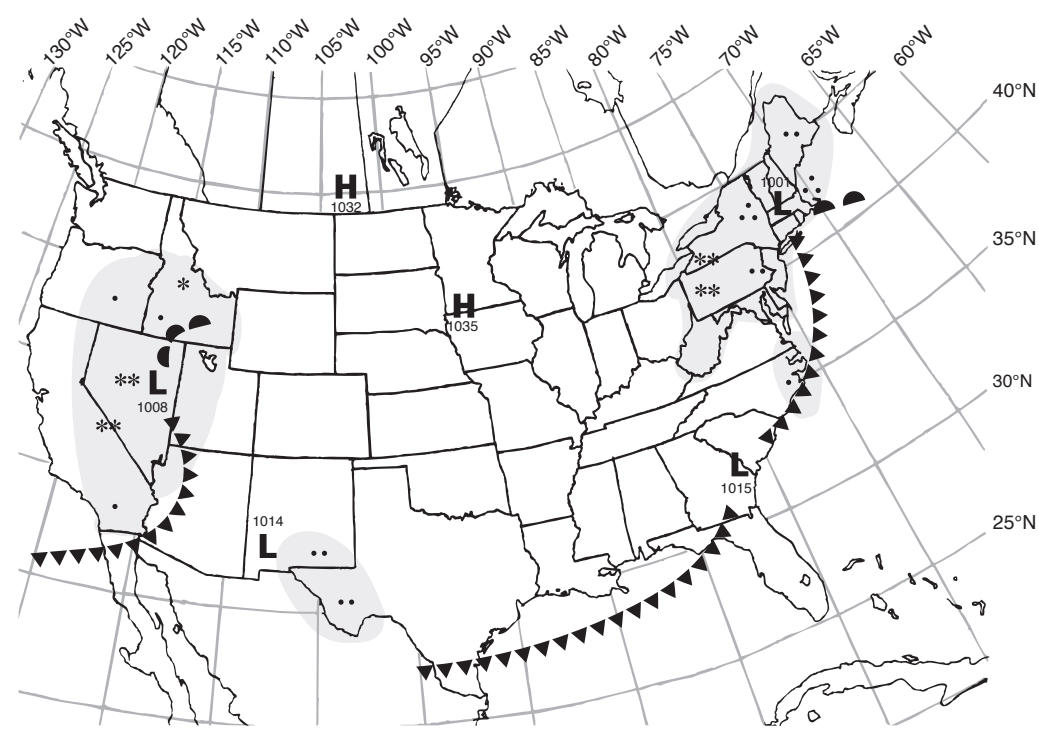
Today: Rain. High around 42 °F (6 °C). Northeast winds at 5-10 mph.

Tonight: Chance of showers. Low around 37 °F (3 °C). Northwest winds at 8-12 mph.

Tomorrow: Cloudy with a slight chance of showers. High around 51 °F (11 °C) and low around 32 °F (0 °C). Northwest winds at 10-15 mph.

Saturday: Mostly sunny. High around 54 °F (12 °C) and low around 37 °F (3 °C).

Sunday: Sunny. High around 56 °F (13 °C).



Situation for Noon Eastern Time, Thursday, April 19, 2018

Weather Systems	Weather Fronts	Precipitation Symbols			Other Symbols
H High Pressure	Trough		Snow	Rain	Fog
L Low Pressure	Warm Front	Showers	* ▽	• ▽	Thunderstorm
§ Hurricane	Cold Front	Light	*	•	Haze
	Stationary Front	Moderate	**	••	
		Heavy	⁂	⁖	

Compiled by MIT Meteorology Staff and *The Tech*

Raúl Castro prepares to resign as Cuba's president, ends dynasty

Azam Ahmed
THE NEW YORK TIMES

HAVANA — Raúl Castro, who took over from his brother Fidel 12 years ago and led Cuba through some of its biggest changes in decades, is expected to step down Thursday and hand power to someone outside the Castro dynasty for the first time since the Cuban revolution more than half a century ago.

During his two terms as president, Castro opened up his Communist country to a small but vital private sector and, perhaps most significantly, diplomatic relations with the United States. It was a notable departure from his brother's agenda, yet it was possible only because he, too, was a Castro.

His hand-picked successor, Miguel Díaz-Canel Bermúdez, 57, is a Communist Party loyalist who was born a year after Fidel Castro claimed power in Cuba. His rise ushers in a new generation of Cubans whose only firsthand experience with the revolution has been its aftermath — the early era of plenty, the periods of economic privation after the demise of the Soviet Union, and the fleeting détente in recent years with the United States, its Cold War foe.

Officials started gathering here in Havana on Wednesday morning and put forward Díaz-Canel as the sole candidate to replace Castro, all but assuring his selection by the Communist Party.

Though Díaz-Canel's path to the top office has been forecast for years, many an heir apparent before him has fallen by the wayside in the search for a successor to lead the country, whether because of party disloyalty, snide remarks or projecting too much power for the Castros' liking.

In that delicate balancing act, Díaz-Canel, a former provincial leader who became the most important of Cuba's vice presidents, has shown the sort of restraint prized by the Castros.

But that same caution has left him an enigma both inside and outside the country.

Few U.S. officials — even those in the U.S. Embassy in Havana — have spent time with him or can claim to have shared more than a few passing words. Even the most seasoned Cuba experts have only faint clues as to what he will do, how he will lead and how much latitude he will have to chart his own course.

Cuba's next president could be hemmed in from multiple sides. For one, Raúl Castro is expected to remain the head of the Communist Party and wield great influence. Even Fidel, who ruled Cuba since the revolution, did not officially become president until years later, allowing others to occupy the post while he ran the country.

Beyond that, the diplomatic opening with the United States has closed abruptly under President Donald Trump, limiting Díaz-Canel's ability to maneuver economically.

"There is nothing in his résumé to suggest he is going to take risks," Theodore Piccone, a Cuba scholar at the Brookings Institution, said of Díaz-Canel. "But that is the way the system works — anyone willing to take the risk before now would not be in line to be the president."

Southwest pilot who landed crippled plane is Navy veteran

Matthew Haag
THE NEW YORK TIMES

About 20 minutes after takeoff on Tuesday, Capt. Tammie Jo Shults was steering a Southwest Airlines plane toward cruising altitude, generally considered the safest part of a flight. But then the left engine exploded.

The blast hurled debris into the side of the plane. A passenger window shattered. The cabin depressurized. A woman was partly sucked outside the plane. Passengers panicked and flight attendants sprang into action.

In the cockpit, Shults remained calm as she steadied the aircraft, Flight 1380. "Southwest 1380 has an engine fire," Shults radioed to air traffic controllers, not a hint of alarm in her voice. "Descending."

In an instant, Shults found herself in a situation most pilots face only during training: having to land a plane after an engine goes out.

For the next 40 minutes, she displayed what one passenger later called "nerves of steel," maneuvering the plane, which had been on its way from La Guardia Airport in New York to Dallas Love Field, toward Philadelphia for an emergency landing.

In the seats behind her, passengers sent goodbye text messages to loved ones, tightened oxygen masks around their faces and braced for impact. Flight attendants frantically performed CPR on the critically injured passenger, who later died at a hospital.

But Shults, 56, was in control. She learned to fly as one of the first female fighter pilots in the Navy three decades ago, piloting the F/A-18 Hornet in an era when women were barred from combat missions.

"Can you have the medical meet us there on the runway," Shults calmly told air traffic controllers in Philadelphia. "They said there's a hole and, uh, someone went out."

At 11:20 a.m. Eastern time, Shults steered the plane, a two-engine Boeing 737, to a smooth landing on Runway 27L at Philadelphia International Airport. The left engine looked as if it had been ripped apart.

"This is a true American hero," Diana McBride Self, a passenger, wrote in a Facebook post. "A huge thank you for her knowledge, guidance and bravery in a traumatic situation. God bless her and all the crew."

Another passenger, Alfred Tumlinson, was more direct in his praise. "She has nerves of steel," Tumlinson told The Associated Press. "I'm going to send her a Christmas card — I'm going to tell you that — with a gift certificate for getting me on the ground. She was awesome."

Trump warns he may exit talks with North Korea

Mark Landler
THE NEW YORK TIMES

ALM BEACH, Fla. — President Donald Trump declared Wednesday that he would scrap a planned summit meeting with North Korea's leader, Kim Jong Un, or even walk out of the session while it was underway, if his diplomatic overture was not heading toward success.

Trump continued to express optimism — verging on eagerness — about sitting down with the North's reclusive leader. But as the momentum for a meeting grows in both Washington and East Asia, the president acknowledged that it was a perilous undertaking that could still end in failure.

"If I think that it's a meeting that is not going to be fruitful, we're not going to go," Trump said at a news conference at his Mar-a-Lago estate in Florida, standing alongside Prime Minister Shinzo Abe of Japan. "If the meeting, when I'm there, is not fruitful, I will respectfully leave the meeting."

Trump's words reinforced his decision to send CIA Director Mike Pompeo on a secret trip to meet Kim. Pompeo, nominated by Trump last month as secretary of state, played advance man for the president in Pyongyang, laying the groundwork for the planned meeting.

Among the potential hurdles for the gathering, Trump said, were three U.S. citizens detained in North Korea. The president said that the United States was "fighting very diligently" to obtain their release and that there was a chance of positive developments.

Still, Trump conspicuously declined to make their release a precondition of his meeting with Kim. He also did not demand any new concessions from North Korea beforehand, underscoring how determined he is to make history by convening with the leader of a country he threatened with war a few months ago.

In preparing for the planned event, Trump's decision to dispatch his CIA director reflected the president's trust in and comfort with Pompeo, as well as how diplomats were sidelined in brokering what could be a landmark encounter.

"Meeting went very smoothly and a good relationship was formed," Trump said in an early morning Twitter post before he went golfing with Abe. "Details of Summit are being worked out now. Denuclearization will be a great thing for World, but also for North Korea!"

Pompeo is still awaiting confirmation to his new post, and faces a challenging vote in the Senate Foreign Relations Committee, where several Democrats have come out against him. The White House and Republicans seized on Pompeo's trip as another reason for the Senate to confirm him, while Democrats said he had misled them by failing to disclose his mission, even in private conversations.

Pressed by hard-liners, U.S.-trained environmentalist quits post in Iran

An American-educated Iranian expert on water who returned to Iran to take a Cabinet-level job in the government of President Hassan Rouhani officially resigned in exile Wednesday, a month after having left the country while under pressure from hard-liners.

In a letter posted on his Twitter account, the expert, Kaveh Madani, 36, who had been Iran's No. 2 environment official, wrote that hard-liners had considered him an outsider and a threat. Members of the security forces had hacked into his computers, he said. He had been called in for questioning in January during the arrests of nearly a dozen people involved in environmental activism.

One of those arrested, Kavous Seyed Emami, a well-known professor and naturalist, died in Evin prison in February under suspicious circumstances.

Madani, the deputy head of the Department of the Environment, a Cabinet position, had been visiting Bangkok in March when a private photo taken 5 years ago in the United States showing him dancing was leaked on the internet. Iranian officials are supposed to adhere to strict laws that forbid dancing. After months of pressure and intimidation, Madani decided not to return to Iran and does not want to disclose his current location.

—Thomas Erdbrink, The New York Times

Feud over oil pipeline embroils Canadian provinces

OTTAWA — While much of the world may be focused on President Donald Trump's threats of a trade war with China, Canada's attention right now is on a commercial feud within its own borders.

The provinces of British Columbia and Alberta are locked in a battle over a $7.4 billion expansion of a pipeline that runs from Alberta's oil sands to a tanker port near Vancouver, a plan approved long ago.

Many British Columbians fear that increased tanker traffic could lead to spills along a coastline that is a global tourist attraction. Alberta argues that the pipeline is vital to its energy industry and the entire Canadian economy.

The rhetoric and threats from both provinces has often been intemperate, and the dispute has put Prime Minister Justin Trudeau in a difficult situation, forced to choose sides in an argument that boils down to the economy on one hand and the environment on the other.

—Ian Austen, The New York Times

Huawei, failing to crack U.S. market, signals a change in tactics

SHENZHEN, China — In a grand hotel ballroom on Tuesday, Huawei executives laid out a soaring vision for the future. The Chinese electronics giant, already the world's biggest supplier of the equipment that powers the wireless age, now wants to provide the digital backbone for artificial intelligence, the internet of things and other transformative technologies.

But that future is increasingly looking as if it will not include the United States.

Last week, the company laid off five American employees, including William B. Plummer, the executive who was the face of its Sisyphean efforts to win over Washington, according to people familiar with the matter. Huawei has also been dialing back its political outreach in the United States, these people said — which could end a decade of mostly fruitless efforts to dispel Washington's accusations that the company has ties to the Chinese government.

—Raymond Zhong and Paul Mozur, The New York Times

Puerto Rico loses all power after freakish accident

SAN JUAN, Puerto Rico — After seven months and close to $2.5 billion, almost everybody in hurricane-ravaged Puerto Rico had their lights back on — until a freak accident on Wednesday plunged the entire island once again into darkness.

The Puerto Rico Electric Power Authority had boasted Wednesday morning that less than 3 percent of its customers remained without power, substantially concluding what some estimates called the biggest power failure in U.S. history. The island of 3.4 million residents was open for business again, government officials said.

It was only a few hours later that an excavator working near a fallen 140-foot transmission tower on the southern part of the island got too close to a high-voltage line. The resulting electrical fault knocked out power to nearly every home and business across the storm-battered American territory, authorities said, a catastrophic failure that could take up to 36 hours to restore.

—James Wagner and Frances Robles, The New York Times

New York attorney general seeks power to bypass presidential pardons

Attorney General Eric T. Schneiderman of New York is moving to change New York state law so that he and other local prosecutors would have the power to bring criminal charges against aides to President Donald Trump who have been pardoned, according to a letter Schneiderman sent to the governor and state lawmakers on Wednesday.

The move, if approved by Gov. Andrew Cuomo and the Legislature, would serve notice that the legal troubles of the president and his aides may continue without the efforts of Robert Mueller, the special counsel investigating possible Russian interference in the 2016 presidential election.

—Danny Hakim and William K. Rashbaum, The New York Times

OPINION OPINION OPINION

CAMPUS LIFE CAMPUS LIFE CAMPUS LIFE

Present this page at Oath Pizza on 4/23 and support the MIT Sport Taekwondo Club!

ōath PIZZA

HELP US

RAISE SOME DOUGH

WHO

MIT Sport Taekwondo Club

WHEN

April 23, 2017
4-10PM

WHERE

Oath Pizza – Central Square
181 Massachusetts Ave, Cambridge MA, 02139

HOW

Visit Oath during the date and time above and we'll donate 15% of your purchase.
Must bring in this flier for your donation to count!

WHY

Because it's Oath's community too.

HUH?

Have questions? Want to host a fundraiser too? Email hello@oathpizza.com

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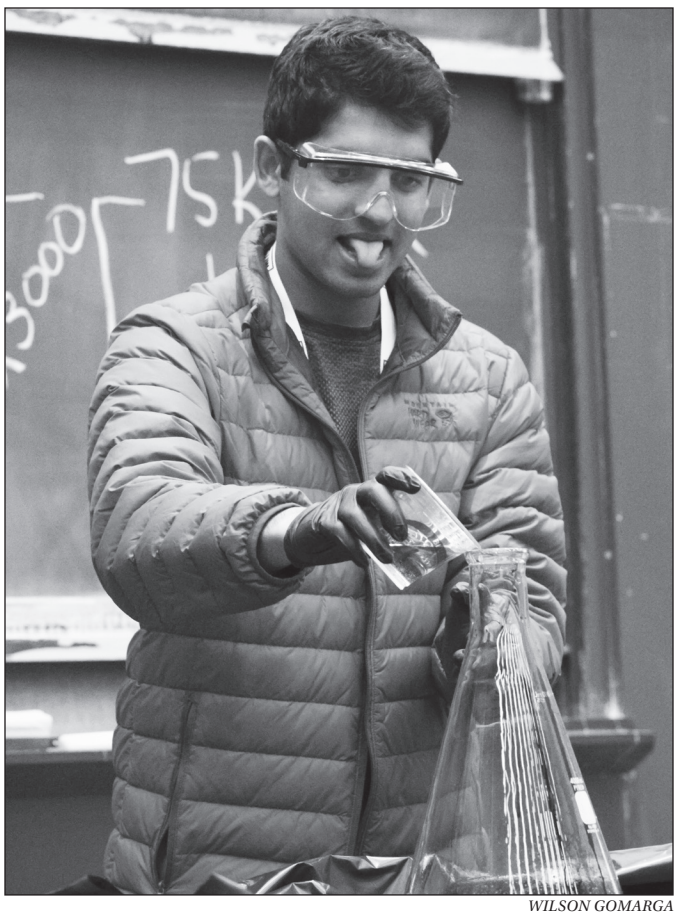
OATHPIZZA.COM

Get to know who you're supporting!
Check us out on Facebook: facebook.com/MITSportTaekwondo
Questions? Email us at: sport-tkd-info@mit.edu

Mobile

SCAN ME



WILSON GOMARGA

In the chemistry department's "Marvelous Molecules at Play," one prefrosh volunteer carefully poured hydrogen peroxide into the huge flask to set up the Elephant's Toothpaste experiment April 12.

ISRAEL - PALESTINE

70 REFLECTIONS & FORECASTS

MONDAY, APRIL 23 | 1:30 - 4:30 PM

MIT E15-070, Bartos Theater, 20 Ames St, Cambridge

This spring marks 70 years since the establishment of the State of Israel. The events of 1948 are celebrated as Israeli Independence and lamented as the Palestinian Nakba. This conference will bring together Israelis, Palestinians, and Americans to discuss and debate the history, the politics, and the current critical moment, which holds equal portions of hope and despair.

Participants include faculty from the following institutions:

MIT, Boston University, Boston College, UMASS/Boston, Birzeit University, Ben-Gurion University, Tel Aviv University

Event updates at http://goo.gl/vEzoiA

MIT CENTER FOR INTERNATIONAL STUDIES
cis.mit.edu | starrforum@mit.edu | Free and open to the public

STARR FORUM

Thursday, Apr. 26
4:00 - 5:30 pm
Johnson Rink (W34)

the unVeiling of FLUX

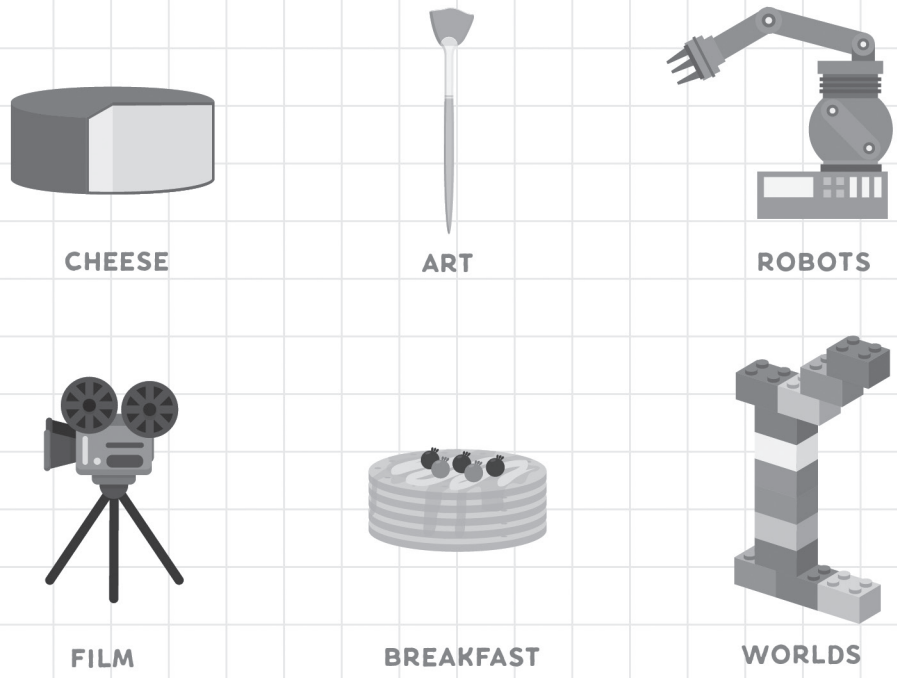
mit solar electric vehicle team

EDGERTON CENTER

MIT

WWW.MITSOLAR.COM #FLUXMIT

WE ARE ALL MAKERS.



21 APRIL 2018
9AM-4PM | ZESIGER CENTER
TICKETS: WWW.MITXMAKE.COM

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secular society of MIT

Our signature series for education in and development of secular thought in our community

COURSE 0

SUBJECT 4

GOD AND THE PHILOSOPHERS

How important are supernatural beliefs to religion? Is having faith in the supernatural rational? How does a non-believer respond to a faith-based assertion? Alex Byrne and Jack Spencer -- MIT philosophy professors with a special interest in philosophy of religion -- will lead a secular philosophical inquiry into such questions, followed by audience Q&A. Open to all. No Course 24 prerequisites.

THU, MAY/10 | 7:15PM | 2-190

[free entry | free food] [ssomit.mit.edu]

ARTS ARTS ARTS

ARTS ARTS ARTS

HELLO!
WE MAKE THE TECH, MIT'S STUDENT NEWSPAPER!
If you like writing, graphic design, photography, business, technology,
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NO EXPERIENCE NECESSARY!
So if you think you might be interested, or even if you just want to see what we do, join us for dinner in our office on the fourth floor of the Student Center (W20-483) on Sundays at 6 pm, or email us at
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NOTES

Have something to say?
Write **opinion** for *The Tech*!

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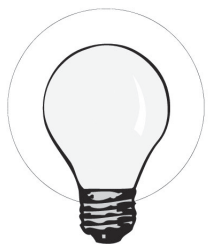

Are you dying to tell someone your latest ephiphany?

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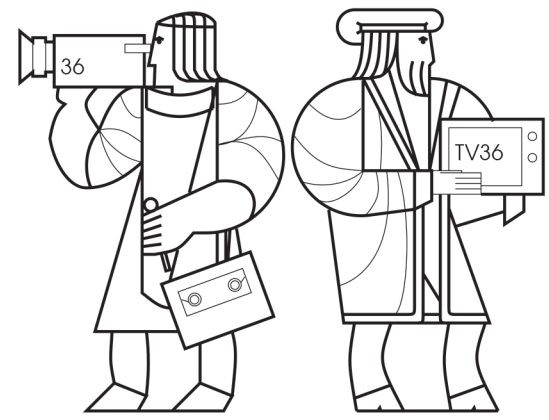
SINGER WANTED

$500.00 for two songs on Saturday, June 30th at a Mount Auburn Cemetery service for my Mom. Male or Female with a beautiful voice, with or without acoustic instrument. Would love 'Sleep Song' from My Secret Garden as one of the songs, if possible. Please contact Susan at susang919@gmail.com to set up a call for more details.

IHTFP FILM HACKATHON

April 28th-29th



Spend a weekend with us creating your own 2 minute video!

A grand prize will be awarded, along with others including Best Mobile-Only Film!

REGISTER A TEAM: SCTV.MIT.EDU

For more information, please email ihtfp-hackathon@mit.edu
Sponsored by CMSW and the Chris Pomiecko Memorial Fund

You're invited!

Come celebrate the best of MIT!

Monday, May 10
4:00 pm
Samberg Center

AWARDS CONVOCATION

FUNFUNFUNF

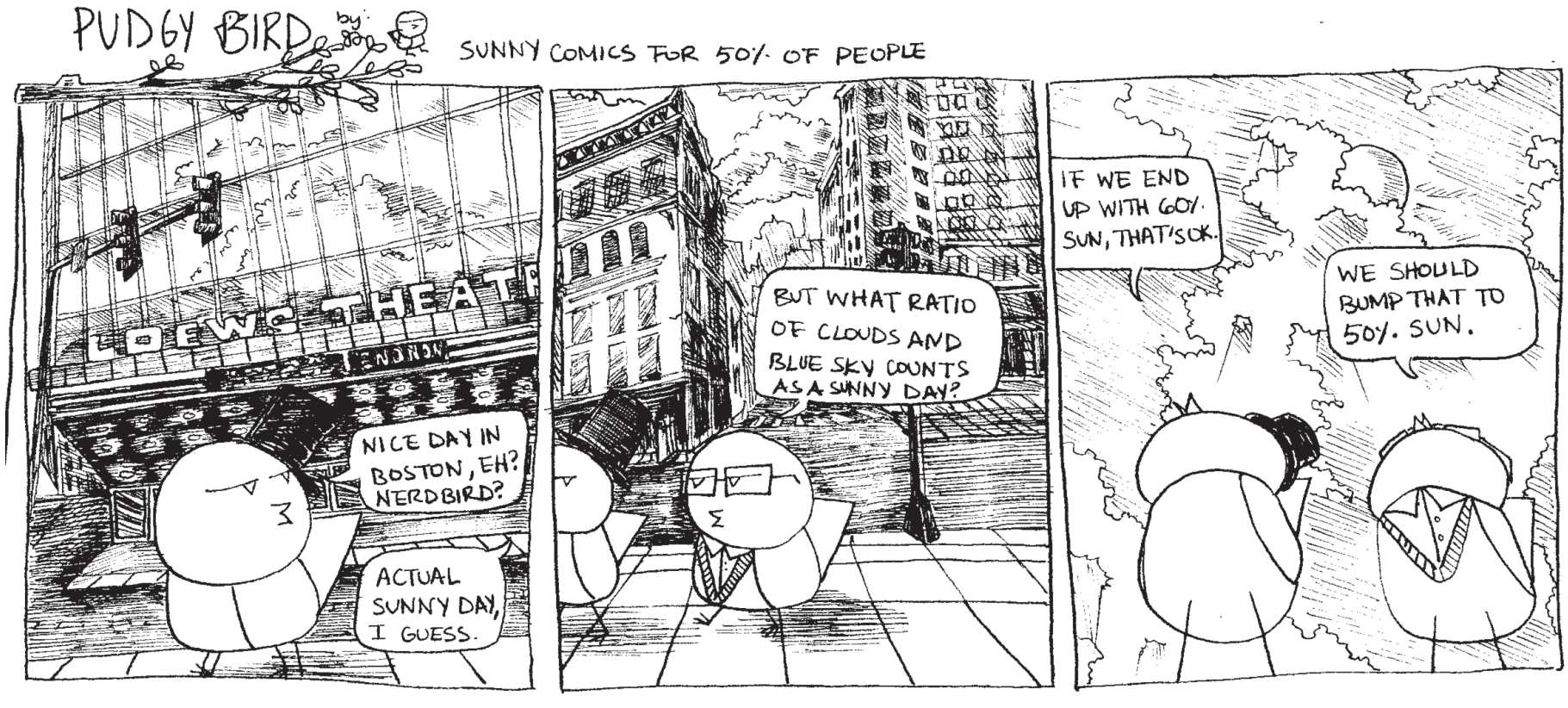
Midterm Season

Solution, page 16

29+			14×	108×		2÷		
7×					480×			
252×			120×		18×		8×	5
	48×				3			7
21+		192×			336×	30+		
	1		270×			42×		2
	10×	4		1				3
8		6–	360×				15+	
16×			21×			4		9

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–9. Follow the mathematical operations for each box.

Sunny Days by Ivy Li



FUN FUN FUN

Documenting murals took hours, involved dozens

Murals, from Page 1

building in this phenomenal way that I don't see in other places."

Photographing murals, Countouris said, could be difficult at times because some murals were too large to be captured in a single frame. Fortunately, she received help from the Division of Student Life, among other groups.

Katy Garo '13 also contributed to the effort. "I helped a lot with photography. It was pretty exhausting work that required a lot of attention to detail," she wrote in an email to *The Tech*.

Although nearly all of the Senior House murals have been documented, only about 80 will be exhibited. Among those exhibited are two murals by Marlo Johnson '19, who continues to paint outside of Senior House.

Johnson described murals as "a great and very necessary part of campus life" in an email to *The Tech*.

"There's not a lot of clarity on what happened to cause Senior House to close," Countouris said, "but the murals are tangible, and an extremely positive aspect of this community."

"The murals were one of my favorite parts about Senior House," Garo said. "There is something really special about being able to claim a space as your own, especially the common spaces, and especially in college when so much is transitory and feels out of your control. I think [the exhibit] is especially important to someone who has never visited Senior House. It's a rare experience to get to immerse yourself in someone else's community."

MIT and students lobby Congress, draft protocols

DACA, from Page 1

status in high school, soon after its enactment. Villanueva explained that it "opened doors" for him by allowing him to legally work and have other "formalities" like a social security number and state ID.

At MIT, Villanueva has been open about his status as a Dreamer, freely discussing it in dorm lounges and with his friends. He said he hasn't felt much backlash here but has been disappointed by the ignorance of some members of the MIT community. For example, he said he is often asked questions like, "Hey, why don't you get your citizenship?" and has to explain that Dreamers are legally restricted from doing so.

> **"The introduction of DACA gave my sister and [me] — both essentially raised in America — lots of breathing room while the visa situation got resolved" and lifted a "weight on my shoulders."**

Even with the temporary security of the court blocks, the lack of a path to citizenship has made it hard for Villanueva to feel he has an American identity — he prefers to identify as Colombian and Chicagoan. He said, "It's hard to think about what you are when [anti-immigration advocates tell] you you're not that. I've been feeling very conflicted. ... [A path to citizenship] would make me feel prouder, more confident."

Finding community

Vainberg, of strong Orthodox Jewish heritage, came to the U.S. from Israel when she was one and a half years old as a result of family issues. Like Villanueva, Vainberg overstayed her visa. Before coming to MIT, she attended a private Jewish school. She has continued her strong involvement with the Jewish community through Hillel, a Jewish on-campus organization.

Vainberg said that DACA allowed her to continue living her life as a regular teenager — like her friends, she could drive and obtain a part-time job. She recalled that for her "sweet 16," her grandparents called her from Israel and asked what she wanted the most for her birthday. When they told her they would get her a driving permit, she was skeptical, since New York did not allow undocumented people to drive. Her grandparents then said that they would pay the fee for her DACA application (currently $465), and Vainberg broke into tears.

DACA also allowed Vainberg to take a gap year and, through Advanced Parole, travel to Israel, an experience she describes as "incredible" and "amazing," especially because most of her Orthodox Jewish community travels to Israel. During her trip, she was able to meet her extended family, including her very elderly great-grandparents.

While she was there, however, Trump was elected and declared DACA's rescission. Vainberg feared that she would not be allowed to return to the U.S. Fortunately, she was able to, but found that her DACA status expired five days after Trump's declared renewal window, causing her to then fear that she would again be undocumented and unable to work over the summer. Luckily, the court cases have since re-opened DACA status renewals, and Vainberg was able to renew her status over IAP.

During her time at MIT, Vainberg has been proactive in educating the Hillel community here and has invited some friends from Harvard's Hillel community as well. While many community members were initially surprised, she said that they have been very supportive and willing to learn more about her situation.

Like Villanueva, Vainberg struggles with her American identity. She says she grew up American and everyone in Israel told her, "You're so American!" But, at the same time, she says all of the complicated procedures — going around to government offices, getting fingerprinted — to retain her DACA status make her feel like the U.S. government is constantly telling her, "You're not American, you remember that!"

On-campus support and protections

Since DACA's instatement, MIT has continuously provided support services to Dreamers. Dreamers work closely with Gerardo Garcia-Rios, an associate dean and co-director of Student Support Services (S3). In an interview with *The Tech,* Chancellor Cynthia Barnhart PhD '88, explained that Garcia-Rios provides the students with a "point of contact" and works closely "as a group and one-on-one" with the Dreamers.

The DACA students that *The Tech* met with viewed Garcia-Rios as a trusted authority. When *The Tech* first emailed Villanueva for comment, Villanueva forwarded the correspondence to Garcia-Rios, who then requested to speak with *The Tech* about the article. During the conversation, Garcia-Rios emphasized that the students had control over their personal information and needed to be kept safe. Vainberg said that, overall, everything that Garcia-Rios has done for her has been helpful.

Gomez explained that after Trump's election, a group of undocumented students met with a group of MIT administration to discuss their concerns about a potential DACA rescission. According to Barnhart, the group included an ad-hoc Working Group on Potential Post-Election Changes to Federal Law and Policy and the Office of the General Counsel (OGC). Gomez explained that students brought up issues such as financial hardship, difficulty getting legal advice, and handling of Immigrations and Customs Enforcement (ICE) requests.

MIT was responsive to these discussions. Recently, MIT has declared it will adjust financial aid to meet DACA students' needs if DACA students lose their work authorizations.

In addition, MIT retained Dan Berger, a partner at Curran & Berger LLP, who specializes in immigration law. Students can consult with Berger in person or over the phone. Berger has also conducted briefings and presentations with the MIT community on immigration issues. In an interview with *The Tech*, Vice President and General Counsel Mark DiVincenzo described Berger as an "expert" and "national leader" on immigration and said he believed that Berger "has provided some of the students comfort to be able to reach out to him."

Vainberg said that she has used Berger as a resource to obtain information and advice. She appreciated that the meetings have been "personal and private" and free for the students.

MIT has long-held the policy that MIT Police do not inquire about individuals' immigration status or enforce federal immigration law. The OGC has helped clarify guidelines on how MIT Police and the Division of Student Life (DSL) should respond to ICE or other third party requests.

> **"It's hard to think about what you are when [anti-immigration advocates tell] you you're not that. I've been feeling very conflicted. ... [A path to citizenship] would make me feel prouder, more confident."**

The OGC drafted a protocol with MIT Police and the Division of Student Life (DSL) for responding to those requests. DiVicenzo explained that both MIT Police and DSL are instructed not to provide any student information voluntarily but to take identification of the asking party and then notify the OGC, which will coordinate an "appropriate response." In addition, all legal process should be served on the OGC. The protocol has been distributed to all desk workers and security.

According to Barnhart, the administration has also partnered closely with organizations like the Undergraduate Association (UA), Graduate Student Council (GSC), and FSILG officers to discuss how best to reach out and inform the MIT community. For example, they recently discussed a letter to the community, which led to Barnhart's March 1 DACA update discussing recent advances in legislative activity and MIT's policies and support systems for Dreamers.

Legislative and legal advocacy

Since the declared rescission of DACA, MIT has advocated for students on both legislative and legal fronts through lobbying in Washington, D.C. and submitting amicus briefs in five courts, including for the California and New York cases that have temporarily blocked the rescission of DACA.

After Trump's election, President Reif wrote an editorial in the *Boston Globe* urging Trump to not rescind DACA, calling a rescission a "mistake" and "a rejection ... of thousands of human beings." Reif argued that a rescission would remove "productive workers from our economy ... costing tens of billions in lost future tax revenues and ... deportation" and throw away "a tremendous national investment."

MIT has partnered with various higher education organizations like the American Council on Education (ACE), Association of American Universities, and Association of Public and Land Grant Universities to inform Congress about the importance of DACA. ACE has a Protect Dreamers Higher Education Coalition, which houses "information and resources to help campus leaders, staff, faculty and students advocate to Congress on behalf of Dreamers." MIT is also part of the President's Alliance on Higher Education and Immigration, a group dedicated to "increasing public understanding of how immigration policies and practices impact our students, campuses and communities."

MIT has also utilized its D.C. office as a bridge between MIT and legislators. DiVicenzo said that DACA is "certainly on the agenda" of things discussed with members of Congress.

In addition, MIT students have directly lobbied Congress. A few weeks ago, the UA partnered with the MIT administration to set up a phone bank, in which about 40 students called their representatives to express support for Dreamers.

In an email to *The Tech,* the MIT GSC's President Sarah Goodman stated that "finding a permanent legislative solution for ... Dreamers has been a top priority for our federal advocacy efforts." The GSC coordinates with the National Association of Graduate-Professional Students and has met with over 54 federal legislative offices to advocate for bills supporting Dreamers.

On the legal front, DiVicenzo explained that MIT's amicus briefs focus less on the constitutional and federal legal theories against DACA's rescission but more on "the impact if DACA is rescinded ... on the students, on our alumni, and also on colleges and universities."

> **"Finding a permanent legislative solution for ... Dreamers has been a top priority for our federal advocacy efforts."**

The brief features students from 19 "distinguished American institutions of higher education," including California Institute of Technology, Columbia University, Stanford University, and Harvard University. Gomez and Villanueva are featured in the brief, which exalts their achievements. For example, the brief states that Villanueva graduated second from his high school class, was the co-captain of his high school's Math Team, and was involved in Homeland Helpers, a student group that helped the Chicago's homeless population.

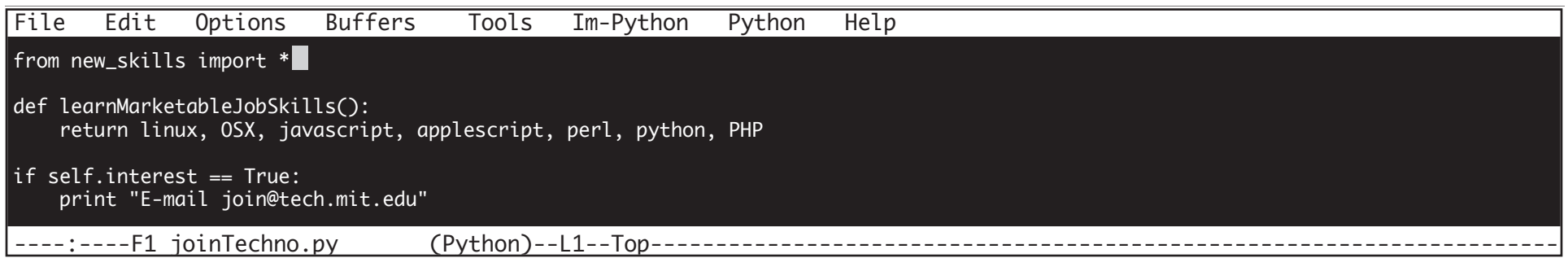
The brief claims that DACA's rescission "impedes the ability of the undersigned institutions to advance their missions, imposes a direct harm on their current students and alumni, and deprives the United States of the benefit of DACA students' considerable talents."

An uncertain future

DACA students have said that they appreciate the variety of services that MIT has provided to them. In an interview with *The Tech*, UA President Sarah Melvin '18 said that she is proud that MIT has provided the "gold standard" of institutional support for its students and that the UA will continue insuring that MIT continues to provide these services.

Even as the temporary protections from the recent court blocks currently allow students like Bouche, Gomez, Villanueva, and Vainberg to continue working, participating in UROPs, and driving, uncertainty still surrounds the future of DACA students, as they anxiously await appellate court decisions and congressional action.

Chancellor Barnhart and the students expressed hope that their fellow MIT community members would educate themselves about DACA, call their representatives to advocate for Dreamers, and provide Dreamers with active support. Bouche encouraged, "Even just having open arms for DACA holders can make a difference."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from new_skills import *
def learnMarketableJobSkills():
return linux, OSX, javascript, applescript, perl, python, PHP
if self.interest == True:
print "E-mail join@tech.mit.edu"
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Sangam
The Association of Indian Students at MIT

DHOOM!

MIT'S BIGGEST BOLLYWOOD PARTY

Saturday,
April 21
Lobdell (W-20)
7-10 pm

DJ & Indian Dinner

LEF-ARCADE

MIT Ballroom Dance Team Presents Latin World Champions:

Gabriele Goffredo
& Anna Matus

Rockwell Cage, MIT
April 28th, 8:30 pm
ballroom.mit.edu/comp

$10 Students | $25 General
(+$5 at the door)

ÁRON RICARDO PEREZ-LOPEZ—THE TECH

Samantha D'Alonzo '21 throws the disc forward at an Ultimate Frisbee game against Tufts Saturday, April 14. MIT's club Women's Ultimate team lost 1–11 to Tufts, 8–10 to Harvard, and 5–7 to Boston University, but won the game against Boston College scoring 10–4 at the Metro Boston Division I Conference.

Engineer seniors lead softball to new heights

Engineers hope to repeat or beat last season's success

By Deanna Delgado

On April 11, after defeating Eastern Connecticut State University, the seniors on the MIT softball team celebrated their 100th win together. The following Saturday, MIT defeated Springfield College twice in a doubleheader (6–3, 5–1), which coincided with softball's senior day, highlighting the impact that the seniors, Jasmin Joseph '18, Zoe Hinton '18, Amanda Lee '18, and Katherine Shade '18, have made on the program.

Before the Class of 2018 came to MIT, the majority of the Institute's softball records were held by the 1984 team. In the years since 1984, MIT softball had very few winning seasons, often losing more than double the number of games won.

The tide turned in 2015, when these four seniors entered the program. In the 2015 season, the team won 29 games and lost only 10, breaking the program record for the most wins in a season. The next year, 2016, the Engineers shattered their previous win record with 34 wins. The team also broke the record for most runs scored in a season (195) and most hits in a season (379). In their 2016 season, after winning the NCAA Tournament Regional and Super Regional Championships for the first time in program history, MIT softball advanced to its first ever NCAA Division III Softball National Championship where the Engineers finished in fifth place. That season, Joseph set the record for most runs in a single season (42) and most hits in a single season (70). Lee set the record for most runs batted in in a season (35). Joseph also holds the record for career stolen bases (50).

To the seniors, being on the team is about much more than just stats. In an interview with *The Tech*, Joseph, the team captain, said, "I found some of my best friends on the softball team. It's exciting and rejuvenating to be a part of a whole-body experience that I feel that MIT softball is. It has helped me look outside myself and into the larger picture of what it means to be a teammate and an athlete and how to interact with people in world." She continued, "I love the game, but more than that, I love the people who play the game," emphasizing the positive impact of community on the team and at MIT.

The Engineers are looking forward to a promising season, having won 23 games already, with many more in sight. They have 10 more games this season before the postseason begins. Their next home game is a doubleheader Tuesday, April 24 at 4 and 6 p.m.

SPORTS BLITZ

Women's Tennis (11–1) dominated on the road at Mount Holyoke College in a 9–0 victory, winning all the singles matches in straight sets.

Women's Lightweight Crew saw success at the Knecht Cup in West Windsor Township, NJ. when its Varsity 4 boat won its heat with a time of 7:48.45. The Varsity 8 boat placed third in its heat, clocking in at 6:51.89, and finished sixth in the Grand Final with a time of 6:56.54. The Varsity 8 is ranked seventh nationally by USRowing Coaches Poll.

Men's Lightweight Crew defeated Fairfield University in rough weather on the Charles. The Varsity 8 finished ahead with a time of 6:35.14, while the Second Varsity 8 triumphed in 6:52.98.

Women's Track and Field met Williams College at the Dick Farley Invite in Williamstown, Mass., defeating them 107–92. Hannah Chen '18 earned the fifth place national rank in the 400 meter hurdles with a time of 1:01.93. Ariela Slutsky '18 put in a winning hammer throw of 169 feet to place her at seventh nationwide. Kari Stromhaug '19 captured another national seventh rank, this time in the pole vault, with a clearance of 12 feet, 4.5 inches.

Men's Track and Field lost to Williams 104–93 at the same invitational. Chris Washington '20 cleared six feet, seven inches in the high jump, earning him a spot at 16th place nationally. Benton Wilson '21 won the 100 and 200 meter sprints, setting MIT freshman records in each with times of 10.83 and 21.82 seconds.

Women's Lacrosse (7–5) stopped the 11–2 Westfield State on the road in a tight 12-11 battle. Emily Young '18 posted five goals, one assist, and seven draw controls.

Men's Tennis (6–5), which ranks 25th nationally, trounced the U.S. Coast Guard Academy 9-0, continuing their undefeated conference season.

Men's Heavyweight Crew took to Lake Quinsigamond in Worcester to seize its fourth straight Donahue Cup, sweeping the Varsity 8, Second Varsity 8, and Varsity 4+ races.

Baseball (14–8) split a doubleheader at Babson, winning the first game 8-0 but losing the second 0-6.

Meet your fellow tech staff.
(aka, your new 3 a.m. pset support group)

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Solution to Tax Day

from page 12

C	H	U	M	■	D	U	S	T	S	■	E	T	T	E
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Solution to Marathon

from page 12

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7	8	9	4	3	1	5	2	6
1	2	5	9	6	7	3	8	4
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Job Description

You will be responsible for developing highly optimized solutions for deep learning software/hardware. You'll collaborate with members of the AI community to define and implement the features needed to accelerate Iluvatar's deep learning hardware and solution frameworks. SW hires will be involved in defining public APIs, performance tuning and analysis, crafting and implementing compiler and optimization techniques for neural networks, and other general software engineering work. The scope of HW effort focuses on energy-efficient domain-specific ASIC/SoC architecture, design/verification for Iluvatar's custom deep learning IP and SoC solution.

Qualifications (please specify position, e.g., intern/full-time, SW/HW)

- MS/PhD or equivalent experience in CS, CSE,ECE, EE or related fields.
- Ability to work independently, define project goals and scope, and lead your own development effort.
- Excellent Python, C/C++ programming and software design skills, including debugging, performance analysis, and test design.
- Knowledge of CPU and/or GPU architecture. CUDA or OpenCL programming experience desired.
- Experience with the following technologies is a huge plus: deep learning models and algorithms, deep learning framework design, high performance compiler design, or EDA synthesis and optimization algorithms.
- Familiarity with PyTorch, Caffe, TensorFlow etc. with strong hands on experience is also a big plus.
- Strong communication skills are required along with the ability to work in a dynamic product oriented team. A history of mentoring junior engineers and interns is a bonus.

Company Description

Iluvatar CoreX Inc. is a China-Silicon Valley-based technology startup founded in 2017. Founding members of the company consists of world class veteran engineers and entrepreneurs in the computer hardware and software industries. Ourmain goal of the company is to deliver open, scalable AI computing platform with extreme performance, to serve the rising computing needs in the AI market. The platform includes but is not limited to ASIC IP Cores/SoC (for both inference and training), system software, computing frameworks, middleware and applications/services. The company has set up offices in the world's most innovative cities, including Beijing, Shanghai, Hong Kong and Silicon Valley.

The company is looking for strong hardware/software engineers for junior, senior and intern levels to work on deep learning solutions on top of its own customized Deep Learning ASICs/SoCs. The positions with be open for both Sunnyvale, CA and Shanghai, CN. Please submit your resume to: *jobs@iluvatar.ai*

Iluvatar CoreX 天数智芯

Solution to Midterm

from page 13

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Solution to Patriots'

from page 12

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